

## Behavioral Intervention Short Course: An Online Program

Lecture/Activity	Speakers	Objectives
Welcome to the Behavioral Interventions Short Course	<b>Laura N. Gitlin, PhD</b> Former Director, Center for Innovative Care in Aging Johns Hopkins School of Nursing	Welcome and overview of course
1. Key Considerations for Developing Behavioral Interventions	Laura N. Gitlin, PhD	<ul style="list-style-type: none"> <li>• Identify different pipelines</li> <li>• Examine intervention development from a social-ecological perspective</li> </ul>
2. Role of theory in behavioral intervention research	Laura N. Gitlin, PhD	<ul style="list-style-type: none"> <li>• Understand the importance of theory</li> <li>• Explore the role of theory along pipeline of intervention research</li> </ul>
3. Delivery characteristics of an intervention	Laura N. Gitlin, Ph.D.	<ul style="list-style-type: none"> <li>• Identify range of delivery characteristics</li> <li>• Determine modes of delivery</li> </ul>
4. User-Centered Design & Intervention Development: A Case Study	Jonathan J. Suen, AuD	<ul style="list-style-type: none"> <li>• How can design thinking principles be leveraged in developing an intervention?</li> <li>• Case example: Baltimore HEARS</li> </ul>
5. Are Treatment Effects Real?  It's about Fidelity	Laura N. Gitlin, PhD	<ul style="list-style-type: none"> <li>• Examine the issue of fidelity</li> <li>• Identify different strategies for enhancing, monitoring and measuring fidelity</li> <li>• Apply strategies to an intervention</li> </ul>
6. Randomized Trial Designs	Nancy A. Perrin, PhD, MA, BA Director Biostatistics and Methods Core Johns Hopkins School of Nursing	<ul style="list-style-type: none"> <li>• Understand randomized trial designs including cluster designs, pragmatic trials, adaptive and stepped wedge designs</li> <li>• Identify what design works best for stage of intervention development</li> </ul>

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7. Exemplars of study designs and control groups	<p>7a. Pragmatic trial  <b>Deborah Gross, DNSc, RN, FAAN</b>  <b>Professor</b>                      Department of Acute and Chronic Care                      Johns Hopkins School of Nursing</p> <p>7.b Attention control group  <b>Sarah L. Szanton, PhD, ANP, FAAN</b>                      Associate Professor and PhD Program Director                      Associate Director for Policy, Center on Innovative Care in Aging                      Johns Hopkins School of Nursing</p>	Examine: <ul style="list-style-type: none"> <li>• Cluster design</li> <li>• Pragmatic trial</li> <li>• Attention control design</li> <li>• Wait list control design</li> </ul>
8. Mixed Methods in Clinical Trials: Using both Qualitative and Quantitative Data	<b>Joseph Gallo, MD, MPH</b> Professor Johns Hopkins Bloomberg School of Public Health, Mental Health	<ul style="list-style-type: none"> <li>• Understand the value and role of mixed methods in intervention research</li> <li>• Identify different methodological strategies</li> </ul>
9. Mediators and Moderators	<b>Nancy A. Perrin, Ph.D.</b>	<ul style="list-style-type: none"> <li>• Identify the role of mediation and moderation analyses</li> <li>• Understand when and how to use</li> </ul>
10. Selecting control groups for randomized controlled trials of behavioral interventions challenges and recommendations	<b>George W. Rebok, PhD</b> Professor Department of Mental Health Johns Hopkins Bloomberg School of Public Health	<ul style="list-style-type: none"> <li>• Understand the range of control groups available</li> <li>• Examining ways to select control condition(s)</li> <li>• Identify the ethical challenges using control groups</li> </ul>

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<p>11. Recruitment and Retention: Identifying Challenges and Solutions for Hard-to-Reach Participants</p>	<p><b>Hae-Ra Han, PhD, RN, FAAN</b> Professor and Chair Johns Hopkins University School of Nursing, Community-Public Health</p>	<ul style="list-style-type: none"> <li>• Identify challenges and strategies for recruiting study populations</li> <li>• Describe importance for including “hard to reach” older adult participants in behavioral intervention research</li> <li>• Explain challenges faced in recruiting and retaining underserved participants</li> <li>• Discuss solutions for successful recruitment and retention</li> </ul>
<p>12. When and How do you involve the partners in research</p>	<p><b>Hae- Ra Han, PhD, RN, FAAN</b> Professor and Chair Johns Hopkins University School of Nursing, Community-Public Health</p>	<ul style="list-style-type: none"> <li>• Describe the role of a community partner</li> <li>• Describe the characteristics community partner seeks when working with an investigator/research institute</li> <li>• Discuss effective and ineffective ways of working with researchers</li> <li>• Explain expertise/strengths do they see they bring to the equation</li> </ul>
<p>13. Involving diverse populations in clinical trials – what does it take?</p>	<p><b>Jennifer Wenzel, Ph.D., RN, FAAN</b></p>	<ul style="list-style-type: none"> <li>• Identify strategies for reaching out diverse populations underrepresented in clinical trials</li> <li>• Examine the role and value of community health workers</li> </ul>
<p>14. Understanding the Cost of Delivering an Intervention</p>	<p><b>Eric G. Jutkowitz</b> Doctoral Candidate Health Policy and Management University of Minnesota</p>	<ul style="list-style-type: none"> <li>• Identify different cost components of an intervention</li> <li>• Examine methodologies for assigning cost to each component</li> <li>• Derive a preliminary cost of an intervention</li> </ul>
<p>15. Thinking Dissemination How do we best bring interventions to scale?</p>	<p><b>John Beilenson</b> President Strategic Communications &amp; Planning (SCP)</p>	<ul style="list-style-type: none"> <li>• Determine how to scale your intervention for national distribution</li> <li>• Identify the challenges of implementation, diffusion and scale</li> <li>• Identify elements of successful diffusion efforts in geriatrics</li> </ul>

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16. Grant Writing Considerations for Behavioral Intervention Research	<b>Laura N. Gitlin, PhD</b>	<ul style="list-style-type: none"><li>• Understand the grant writing and submission processes</li><li>• Identify specific considerations for an intervention grant application</li></ul>